

(Japan)
APPL. NO.: 07-138870 [JP 95138870]
FILED: May 15, 1995 (19950515)

ABSTRACT

PURPOSE: To manage a plurality of recording media conveniently and surely even if the data volume varies greatly by recording a management data based on recording results in the head area of a recording medium ensured previously by prediction.

CONSTITUTION: When a digital video signal DV is subjected to compression coding and recorded on a CD-ROM writing unit 2, the encoded data is recorded while being split on a plurality of CD-ROMs if the volume of data is large. A control circuit 11 predicts the number of CD-ROMs required for recording and records a management table based on prediction values in the head recording area of first CD-ROM. When the image data is recorded sequentially on the plurality of CD-ROMs, the table is updated based on the recording results and a correct management data is recorded. Consequently, degradation of image quality due to forced recording of data on one CDROM can be avoided effectively and a large volume of data can be recorded and reproduced.

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DATA RECORDER, DATA REPRODUCER AND DATA RECORDING MEDIUM

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INVENTOR(s): HONDA KAZUYUKI
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP
(Japan)
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ABSTRACT

PURPOSE: To record/reproduce a large volume of data easily and surely by recording a series of data while splitting onto a plurality of recording media with a part of data being overlapped between consecutive recording media and recording a management data on the head area.

CONSTITUTION: When a digital video signal DV is subjected to compression coding and recorded on a CD-ROM writer 2, encoded data is recorded while being split on a plurality of CD-ROMs if the volume of data is large. A control circuit 11 controls the image data to be recorded while being overlapped between consecutive CD-ROMs for a predetermined time. When the second half of one CD-ROM is reproduced and then a following CD-ROM is reproduced and edited, the consecutive image data can be reproduced correctly by simply switching the encoding results based on a management data recorded in the head area of CD-ROM and outputting the encoding results. With such arrangement, sense of incompatibility accompanying the switching of CD-ROM can be avoided effectively.

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IMAGE INFORMATION FILING METHOD AND DEVICE

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INVENTOR(s): ASAI HIDEKAZU
APPLICANT(s): FUJII PHOTO FILM CO LTD [000520] (A Japanese Company or Corporation), JP (Japan)